

Historic, Archive Document

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BERHOW NURSERIES, HUXLEY, IOWA

- ORDER BLANK -

DATE _____ 19____ Our Order Number _____
Received _____

Dear Sir:

Please book my order for the following grafted nut trees for shipment, by Express Collect (FALL _____ or SPRING _____).

NOTICE:

If the trees you order are sold out by the time your order is received may I substitute with trees I consider equal or better in value, answer yes or no. _____.

PLEASE PRINT OR WRITE PLAINLY

Number Trees	Size	Variety	Price Each	Total

DATE _____ Our Order Number _____

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Shipping Point, if Different From the Address _____
TOTAL \$ _____
2% Iowa Tax \$ _____
AMOUNT ENCLOSED \$ _____

NAME _____ SIGNED _____
STREET _____ STREET _____
P.O. _____ P.O. _____ STATE _____

NOTICE:

Due to the difficulty in grafting nut trees, there are now a number of parties offering nut trees for sale that are not grafted trees. These are seedling trees, produced by planting nuts from named varieties. Seedling trees will not come true and seldom produce nuts better than the wild ones. They have no right to the name called. Plant only grafted trees and be happy, and not seedling trees and be sorry.

BERHOW NURSERIES

Huxley, Iowa

Summary of Black Walnut performance as a result of several questionnaires sent out during the summer of 1944 to parties having named varieties of Black Walnuts in bearing.

Thirty-five questionnaires were sent out, 14 returned and filled out. Returns were received from eight states as follows:

Iowa 4; Ohio 3; Pennsylvania 2; Illinois 1; Wisconsin 1; Virginia 1; Michigan 1; New York 1.

I asked them to state their five best performers in their respective order and had these results:

Thomas - - - First	Thomas & Mintle - - Fourth (Tie)
Ohio - - - Second & Third	Korn - - - - - Fifth

Youngest variety to bear first:

Thomas 1st; Ohio 2nd; Ten Eyck 3rd.

Hardest Varieties: Ohio 1st; Thomas 2nd; Ten Eyck 3rd.

Those that would bear every year: Ohio

Heaviest bearers: Thomas 1st; Ohio 2nd.

Poorest Bearers: Stabler 1st; Stambaugh, Ohio & Rower--Tie for 2nd

Results of ground line-stone applications:

Three reported.

1. No results - - - 2. Good Results

Fertilizer Used - Seven reported, with:

5 - Results good

1 - Results fine

1 - Results very good

Barnyard fertilizer was used on the above.

Black Walnuts sold in shell: Three reported with price per pound at \$.10; .07; .05.

Black Walnuts sold shelled. Five reported. Price per pound:

1. \$1.10

2. \$1.00

1. \$.75

1. \$.50

Nut Crackers Used:

5 - Hershey

2 - Clark

2 - Homemade

by -

Seward Berhow
Berhow Nurseries
Huxley, Iowa

May 1954

Summary of 1954 - This year was a very good one for the station. The weather was very good and the crops were very good. The station was very busy and the staff was very good.

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BERHOW NURSERIES
Huxley, Iowa
PLANTING INSTRUCTIONS

Purchasers of Nut Trees should be prepared to plant the trees as soon as received. If conditions will not permit planting on arrival, by no means leave them set in the package, but remove from package and at all times avoid exposure of roots to air, wind and sunshine. Sun and wind are very harmful to the roots. Dig a trench and heal in the trees until they can be planted. In planting, dig holes plenty large, so that the roots can be placed in their natural position. Put pulverized top soil in bottom of hole, use peat soil in the bottom if available, as it is fine and will pack well and hold moisture. Avoid leaving air pockets when planting, as this will dry out the soil. Plant the trees one to one-half inches deeper than they were in the nursery and be sure to firm soil well, starting from bottom of hole. A baseball bat is a good tamping tool. Leave soil sloping gently towards tree for a distance of about five feet each way. This will help gather more rain water. Next fill in with plenty of mulch material, such as straw, grass, lawn rakings, cobs, etc. Make this mulch six inches or more deep and out a distance of about five feet each way. If season of planting becomes dry, start watering before trees shown signs of suffering for then it is too late. Do not use a small amount of water each evening. Better to water once a week, but give a good soaking when you do it. Pour the water through the mulch as the depression around the trees will put it where it belongs. A good mulching will usually hold enough moisture, that watering will not be necessary, except in rare cases. Do not use water while planting. If the soil is dry when planting, pour water through mulch afterwards. After trees are planted, wrap each one in newspaper and leave it on until growth starts to prevent drying out before the roots get into action.

Nut trees love lime. While there is not yet any formula worked out as to the amount of ground lime-stone to be used, it has been found where native Black Walnut trees grow and perform well, the soil has lime rockstone beds, showing that lime-stone can hardly be overdone. So lets say for the present mix a good one-half gallon of ground limestone with the soil for each tree when planting, and add more in increased amounts about every two years or so. Nut trees are gross feeders and should be fed for best results with fertilizer. As the lime produces neutral soil, which is favorable to nut trees, a fertilizer containing very little, if any, acid should be used in order to work with the lime and not against it. As far as I know, no one has carried on any experiments to determine the proper amounts to be used. Nitrate of soda (a packing house by-product) is a good fertilizer. Amount to be used depends on the soil needs. Using commerical fertilizer I would estimate about one-fourth pound per inch of tree trunk, annually. Cow manure is the best of barnyard manures.

If you have two trees and only time to plant one right, better plant only the one, and throw the other away than to half-way plant the two and loose both, for one living tree is worth more than two dead. When one considers the length of life of a nut tree and the value of its life's production, it can easily be seen how well the owner can afford to give a little extra time and care in planting.

BERHOW NURSERIES

Huxley, Iowa

Dear Sir:

In response to your valued inquiry for Grafted Nut Trees, I am enclosing my Price List and other information regarding these trees.

Grafted Black Walnut trees are among our fastest growers, as well as the youngest to come into bearing among edible tree crops. Many varieties start to bear as early as the second and third year after planting and it is always best to plant several varieties for good pollination. These trees are among our hardiest trees and are adaptable to a very wide range. I am often asked which varieties are the best, but this is a hard question to answer as we do not all have the same opinion. Study the record sheet and make your selection. They are all good or they would not have been approved and named.

These named improved varieties have been discovered by different people in different parts of the United States and have proved to have outstanding merits as compared with our native or wild ones. They are young bearing, excellent crackers, having high kernel percentage with sweet and light colored kernels of superior quality. They are also among our longest lived trees. They produce an annual crop of one of mans best foods, sealed in a tight package that never spoils and with never a worm in the nuts.

Value of nut meats in the diet as given by Dr. John Harvey Kellogg, of Battle Creek, Michigan are as follows: 1# of Black Walnut meats is equal to 4# of Beef; 6 $\frac{1}{2}$ # Beef Ribs; 5 $\frac{1}{2}$ # Veal; 4 $\frac{1}{2}$ # Mutton; 3# Ham; 10 Chicken Broilers; 13 $\frac{1}{2}$ # Oysters; 5# Eggs and 9 $\frac{1}{2}$ # Milk.

My Nut Trees are propagated, sold, carefully hand dug, and packed for shipment by myself. They have a strong root system, and have proved to transplant very satisfactorily. I am very particular in obtaining my graft wood, to be sure they are true to name.

Nut Tree Nurseries are few and the demand for trees is growing by leaps and bounds, and in the past I have shipped Nut Trees to all parts of the United States, without ONE complaint, but considerable repeat orders and complimentary letters, as shown on the reverse side. My suggestion is that if you are in the market for Nut Trees, get your order booked as soon as possible while the varieties and sizes are still to be had. Later you will have less to choose from, as well as, completely sold out, resulting in one year's time lost, which will never return.

Yours very truly,

Seward Berhow

SB/CAK
Enc.

BERHOW NURSERIES
Seward Berhow

C O M P L I M E N T A R Y

L E T T E R S

Berhow Nurseries

Huxley, Iowa

Dear Sir:

I received the nut trees in first class condition, and they are fine. You furnish much better root system on nut trees than I have seen anywhere else. I expect to order more this fall.

April 24, 1944

Very truly yours,

G. W. Naderman - - Washington

Mr. S. Berhow

Berhow Nurseries

Huxley, Iowa

Sirs:

I have purchased about 24 nut trees the past three years and from the appearance of your stock would say these trees are the best of the lot. I am more than pleased with them. Thank you for your courtesy and consideration.

January 31, 1944

Yours truly

Alfred L. Barlow - - Michigan

Berhow Nurseries

Huxley, Iowa

Dear Sir:

I wish to thank you for the nice nut trees you sent, also the case with which they were dug. There were no broken roots.

May 8, 1944

Yours truly,

Dan Edelman - - Kansas

Berhow Nurseries

Huxley, Iowa

Dear Mr. Berhow

I want to thank you for the fine stock and the good packing. I am sure I will have a 100% stand this fall.

May 2, 1944

Yours truly,

Wm. L. Kling - Northern Idaho

Berhow Nurseries

Huxley, Iowa

Dear Sir:

The two Black Walnut trees I received from you last spring, arrived in fine shape, and made a fine growth.

February 24, 1945

Truly yours,

Harry Engstrom - - Minn.

B E R H O W N U R S E R I E S

Huxley, Iowa

B L A C K W A L N U T R E C O R D

VARIETY	STATE ORIG.	YEAR DISC	NORTH LAT	TOTAL SCORE	KER- NEL %	CRACK %	# PER LB	PRIZE-YEAR CONTEST
Allen	Mich		42.45		23.86		34	1 1932 Mich
Adams	Mich	1920	42.15	52.04	21.04	53.00	39	3 1929 Mich
Benton	N.Y.	1934	41.45	83.05	27.58	98.34	34	2 1934 N.Y.
Benner	Iowa	1940	42.20		24.40	100	26	
Berhow	Iowa	1942	42.00	79.51	28.73	85.92	19	5 1942 INGA
Brown	Ohio	1934	40.20		29.17		28	1 1934 NNGA
Creitz	Ind	1926	39.45	83.04	26.16	92.15	28	
Clark	Minn	1934	44.00	80.80	31.34	96.07	28	4 1934 NNGA
Cresco	Iowa	1930	43.20	67.00	29.17		34	
Cornell	N.Y.	1939	42.30	89.00	25.01	99.06	28	
Cozad	Iowa	1932	42.00	75.72	32.06	94.97	33	
Cayuga	N.Y.							
Climax	Mich							
Edras	Iowa	1926	41.50	81.75	32.82	87.52	26	12 1926 NNGA
Estrem	Iowa		42.00					
Grundy	Iowa	1929	42.20	80.89	27.11	97.77	33	5 1929 NNGA
Gilman	Iowa	1937	42.00	78.82	26.09	93.78	23	
Homeland	Va	1931	37.20	81.07	25.00	78.06	24	
Harney	Tenn		36.16		32.00			
Helper								
Horton	Iowa	1932	42.20	81.92	30.44	91.77	23	
Iowana	Iowa	1940	41.30					4 1942 INGA
Kettler	Wisc	1933	42.40		29.51		39	
Kettering	Iowa	1939	42.00					
Krause	Iowa	1940	42.05		27.00		19	2 1942 INGA
Karnes								
Korn	Mich	1928	42.15	74.09	26.41		32	
Lathrop	Iowa	1936	42.40		36.00			
Lydick	Neb	1942						
Mintle	Iowa	1930	41.00	84.03	31.90	99.30	33	
Monterey	Penn	1931	40.05	77.07	27.76	84.87	24	3 1942 INGA
Martin	Iowa	1937	42.20		25.41	100	21	
Myers	Ohio	1926	40.20		32.00	100	42	14 1929 NNGA
McCormick	Iowa		42.00					
Neiderhauser	Iowa	1920	42.00	74.09	29.05	83.33	20	
Norton	Iowa	1940	42.20		21.20		16	
Ohio	Ohio	1915	41.00	79.94	29.34	95.00	33	2 1942 INGA
Oldham	Iowa	1939	41.00					3 1942 INGA
Patterson	Iowa	1926	40.30	79.98	29.48	93.52	20	7 1926 NNGA
Pinecrest	Penn	1931	40.45	80.18	27.14	94.54	24	
Pace	Ark	1935	36.30	78.71	26.08	100	31	
Rohwer	Iowa	1926	42.20	75.94	27.09	88.29		2 1926 NNGA
Rice	Idaho							
Rohwer	Iowa	1926	42.20	75.94	27.09	88.29		2 1926 NNGA

(over)

Continued -

Rock	Iowa	1942	41.30						1 1942 INGA
Sifford	Va	1934	37.30	82.08	31.31	100	19		5 1934 NNGA
Snyder	N. Y.	1934	42.20		29.88	91.05	25		
Sparrow	Ill	1935	40.35		26.61		26		
Speer	Tex	1931	32.45		17.94		11		
Stabler	Md	1915	39.10	78.94	31.22	88.55	28		
Stambaugh	Ill	1926	40.08	62.00	29.08	81.05	23	1 1926 NNGA	
Shepard	Iowa				28.12		29		
Shessler	Ohio	1942	40.20						
Stone House	Iowa	1941	43.10						
Story	Iowa	1944	42.00						
Todd	Ohio	1934	41.20						
Tasterite	N.Y.	1927	42.25	80.16	27.76	100	38		
Templeton	Iowa	1939	42.00	77.06	35.14	78.41	29		
Ten Eyck	N.J.	1915	40.35	74.15	31.52	81.56	26		
Thomas	Penn	1880	40.05	80.07	29.78	88.73	19	1 1942 INGA	
Throp	Ind	1926	39.20	59.00	18.73	100	41	4 1926 NNGA	
Templeton	Iowa	1939	42.00	77.06	35.14	78.91	29		
Vail	Iowa	1925	40.50		30.25	97.69	28		
Wanda	Iowa	1934	42.00	83.12	31.49	95.83	29		
Worthington	Iowa	1934	41.30	72.62	21.87	93.77			
Wiard	Mich	1926	42.15	95.04	29.04	91.00		3 1934 NNGA	

BRITISH MUSE

1851-1852

PLATE 1. BRITISH MUSE



BRITISH MUSE



BRITISH MUSE

BRITISH MUSE

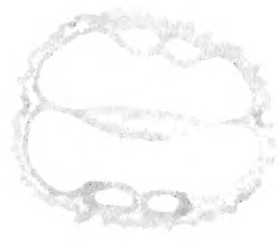
BRITISH MUSE

BRITISH MUSE

PLATE 1

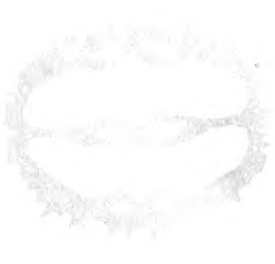
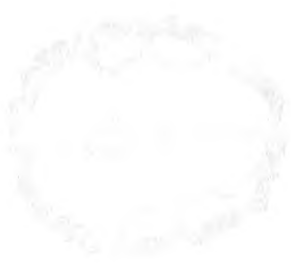
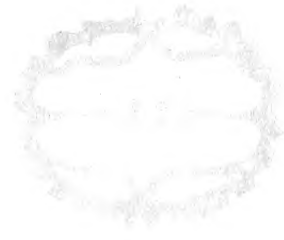
Figures 1 to 10





THEORY OF PLANTS AND ANATOMY

By J. E. S. SMITH



THEORY OF PLANTS

AND

ANATOMY



